

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (currently amended) A method of controlling transmission power of a terminal station in a wireless communication system including a plurality of base stations and a plurality of terminal stations,

each base station for measuring received powers of radio waves transmitted from terminal stations ~~and, when the measured~~ there is a radio wave having received power ~~is being~~ higher than a first threshold value which is set by a predetermined procedure, sends power control signal instructing the terminal station which has transmitted the radio wave having received power being higher than the first threshold value to decrease the transmission power, and

each of the terminal stations for decreasing the transmission power when at least one power control signal which gives an instruction to decrease in the transmission power exists in signals transmitted from the base stations, increasing the transmission power when said power control signal for giving an instruction to decrease the transmission power does not exist, comparing received powers of radio waves transmitted from the base stations with each other, selecting the base station

which has transmitted the radio waves with the highest power, and transmitting a signal on which an identification code for identifying the base station is superimposed,

wherein a second threshold value larger than said first threshold value is set in each of the base stations by a predetermined procedure,

in the case where the received power of the radio waves transmitted from a terminal station is higher than said first threshold value when said identification code transmitted from the terminal station indicates the own station, a base station transmits said power control signal for instructing the terminal station to decrease the transmission power, in the case where the received power of the radio waves transmitted from said terminal station is lower than said first threshold value when said identification code transmitted from said terminal station indicates the own station, the base station stops to transmit a power control signal to the terminal station, or transmits a power control signal increasing the transmission power to the terminal station, in the case where the received power of the radio waves transmitted from the terminal station is higher than said second threshold value when ~~aid~~said identification code transmitted from said terminal station indicates another station, the base station transmits said power control signal for instructing the terminal station to decrease the transmission power, and in the case where the received power of the radio waves transmitted from the terminal station is lower than said second threshold value when said identification code transmitted from said terminal station indicates another station, the base station stop to transmit a power control

signal to the terminal station, or transmits a power control signal increasing transmission power to the terminal station

3. (currently amended) The transmission power control method according to ~~claim 1 or 2~~claim 2, wherein said plurality of base stations are connected to a common base station control device, and at least one of said first and second threshold values is set via said base station control device.

4. (currently amended) The transmission power control method according to ~~claim 1 or 2~~claim 2, wherein said plurality of base stations are connected to each other via a switching network or the Internet, and at least one of said first and second threshold values is set via said switching network or the Internet.

5. – 6. (cancelled)

7. (currently amended) ~~The A~~A base station according to ~~claim 5~~, further comprising means for setting a second threshold value higher than said first threshold value;

~~wherein said power control signal generating means transmits a power down control signal for instructing said specific terminal station to decrease transmission power in the case where said identification code sent from said specific terminal station indicates another station and the received power of the radio wave~~

~~transmitted from said specific terminal station is higher than said second threshold value, and a power-up control signal for giving an instruction to increase the transmission power of said specific terminal station or transmits a power-up control signal for giving an instruction to increase the transmission power of said specific terminal station~~ for transmitting a power control signal for controlling transmission power of a terminal station in a wireless communication system including a plurality of base stations and a plurality of terminal stations,

each of the base stations, for measuring received powers of radio waves transmitted from said plurality of terminal stations, when there is a radio wave having received power being higher than a first threshold value, transmits a power-down control signal for instructing the terminal station which has transmitted the radio wave having received power being higher than the first threshold value to decrease the transmission power, and

each of the terminal stations for decreasing the transmission power when there is said power-down control signal in at least one signal sent from the base stations, increasing the transmission power when said power-down control signal does not exist, comparing received powers of radio waves transmitted from the base stations with each other, selecting the base station which has transmitted the radio waves with the highest power, and transmitting a signal on which an identification code for identifying the base station is superimposed,

wherein the base station for use in a transmission power control system comprises:

a received power measuring part for measuring a received power of radio waves transmitted from a specific terminal station;

a threshold memorizing part for holding said first threshold value and a second threshold value higher than said first threshold value;

a comparing part for comparing the received power measured by said received power measuring part with said first and second threshold value;

power control signal generating means for generating, in accordance with a result of said comparing part, a power-down control signal for instructing said specific terminal station to decrease the transmission power when said identification code transmitted from said specific terminal station indicates the own station and said measured received power is higher than said first threshold value, or when said identification code sent from said specific terminal station indicates another station and the received power of the radio wave transmitted from said specific terminal station is higher than said second threshold value, and generating a power-up control signal for giving an instruction to increase the transmission power of said specific terminal station or stop to transmit a power control signal for giving an instruction to increase the transmission power of said specific terminal station when said identification code transmitted from said specific terminal station indicates the own station and said measured received power is lower than said first threshold, or when said identification code sent from said specific terminal station indicates another station when and said received power is lower than said second threshold value.

8. (currently amended) The-A base station for transmitting a power control signal for controlling the transmission power of a terminal station in a wireless communication system including a plurality of base stations and a plurality of terminal stations, each of the base stations, for measuring received powers of radio waves transmitted from the terminal stations, and when the measured received power is higher than a first threshold value, transmitting a power-down control signal for instructing the terminal station which has transmitted the radio wave to decrease the transmission power, and each of the terminal stations for decreasing the transmission power when there is said power-down control signal in at least one signal sent from the base stations, increasing the transmission power when said power-down control signal does not exist, comparing received powers of radio waves transmitted from the base stations with each other, selecting the base station which has transmitted the radio waves with the highest power, and transmitting a signal on which an identification code for identifying the base station is superimposed.

wherein the base station for use in a transmission power control system comprises a signal processing circuit for performing a following process by a program.

a process for measuring a received power of radio waves transmitted from a specific terminal station.

a process for comparing the received power measured by said received power measuring process with said first threshold value and a second threshold

value higher than said first threshold,

a process for generating a power-down control signal, in accordance with a result of said comparing processes, for instructing said specific terminal station to decrease the transmission power when said identification code transmitted from said specific terminal station indicates the own station and said measured received power is higher than said first threshold, or when said identification code sent from said specific terminal station indicates another station and the received power of the radio wave transmitted from said specific terminal station is higher than said second threshold value, and generating a power-up control signal for giving an instruction to increase the transmission power of said specific terminal station or stop to transmit a power control signal transmits a power-up control signal for giving an instruction to increase the transmission power of said specific terminal station when said identification code transmitted from said specific terminal station indicates the own station and said measured received power is lower than said first threshold, or when said identification code sent from said specific terminal station indicates another station according to claim 6, further comprising means for setting a second threshold value higher than said first threshold value,

~~wherein a signal processing circuit executed by said program performs the following process by a program, the process for transmitting a power-down control signal for instructing said specific terminal station to decrease transmission power in the case where said identification code sent from said specific terminal station indicates another station and the received power of the radio wave transmitted from~~

~~said specific terminal station is higher than said second threshold value, and stops to send a power control signal or transmitting a power up control signal for giving an instruction to increase the transmission power of said specific terminal station when and said received power is lower than said second threshold value.~~